

```

1 class Money:
2     def __init__(self, amount: int = 0, denomination: str = "Unknown"):
3         self.amount = amount
4         self.denomination = denomination
5
6     def display(self):
7         print(f"Amount: {self.amount}")
8         print(f"Denomination: {self.denomination}")

```

```

1 from MoneyPyDl import Money
2
3 print("Action: Invoking the Money class constructor using Money()")
4 m1 = Money()
5 m1.display()
6
7 print("\nAction: Invoking the Money class constructor using Money(100)")
8 m2 = Money(100)
9 m2.display()
10
11 print("\nAction: Invoking the Money class constructor using Money(100, 'USD')")
12 m3 = Money( amount: 100, denomination: "USD")
13 m3.display()

```

```

Action: Invoking the Money class constructor using Money()
Amount: 0
Denomination: Unknown

Action: Invoking the Money class constructor using Money(100)
Amount: 100
Denomination: Unknown

Action: Invoking the Money class constructor using Money(100, 'USD')
Amount: 100
Denomination: USD

Process finished with exit code 0

```

```

1 class Student:
2     def __init__(self, id_number: int, name: str, course: str):
3         self.id_number = id_number
4         self.name = name
5         self.course = course
6
7     def __str__(self) -> str:
8         return f"{self.id_number} - {self.name} - {self.course}"
9
10    def validate_info(self) -> None:
11        if self.name.isalpha() and len(str(self.id_number)) == 9:
12            print("Student information is valid.")
13        else:
14            print("Student information is not valid.")

```

```

1 from Student import Student
2
3 print("Action: Invoking __str__ method with the following Student information:")
4 s1 = Student(id_number=123456789, name="JohnDoe", course="Computer Science")
5 print(f"ID: {s1.id_number}")
6 print(f"Name: {s1.name}")
7 print(f"Course: {s1.course}")
8 print("Output:")
9 print(s1)
10
11 print("\nAction: Invoking __str__ method with the following Student information:")
12 s2 = Student(id_number=12345, name="JaneDoe", course="Mathematics")
13 print(f"ID: {s2.id_number}")
14 print(f"Name: {s2.name}")
15 print(f"Course: {s2.course}")
16 print("Output:")
17 print(s2)
18
19 print("\nAction: Invoking validate_info() method with the following Student information:")
20 s3 = Student(id_number=987654321, name="Alice123", course="Physics")
21 print(f"ID: {s3.id_number}")
22 print(f"Name: {s3.name}")
23 print(f"Course: {s3.course}")
24 print("Output:")
25 s3.validate_info()

```

Action: Invoking __str__ method with the following Student information:

ID: 123456789

Name: JohnDoe

Course: Computer Science

Output:

123456789 - JohnDoe - Computer Science

Action: Invoking __str__ method with the following Student information:

ID: 12345

Name: JaneDoe

Course: Mathematics

Output:

12345 - JaneDoe - Mathematics

Action: Invoking validate_info() method with the following Student information:

ID: 987654321

Name: Alice123

Course: Physics

Output:

Student information is not valid.

Process finished with exit code 0